NC/QC/YPD/SIP-01/2018-19/SH-CB1A **Date: 18-04-2018**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-03-18	18-04-18	28	22500	525	23.33	**23.11**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	520	23.11	

*As Furnished by Client.
The Results relate only to the items tested.

KIRAN. R
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Asst. Executive Engineer
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For Newzen Consultants Bangalore
Proprietor

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NC/QC/YPD/SIP-01/2018-19/SH-CB2A

Date: 21-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-03-18	21-04-18	28	22500	520	23.11	**22.74**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/YPD/SIP-01/2018-19/SH-CB3A

Date: 24-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-03-18	24-04-18	28	22500	530	23.56	**23.26**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	525	23.33	

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/YPD/SIP-01/2017-18/SH-G1 Date: 02-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
26.50	**97.25**	70-100
9.50	**74.50**	50-80
4.75	**52.10**	40-65
2.36	**36.75**	30-50
0.425	**13.05**	10-15
0.075	**4.05**	<5

*As Furnished by Client
The Results relate only to the items tested

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Date: 02-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.35 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.12**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.08**	----------
5.	Aggregate Impact Value, %	**25.35**	Not more than 40.00 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2017-18/SH-G2 Date: 04-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
26.50	**96.25**	70-100
9.50	**78.10**	50-80
4.75	**64.25**	40-65
2.36	**42.60**	30-50
0.425	**13.60**	10-15
0.075	**3.85**	<5

*As Furnished by Client
The Results relate only to the items tested

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Newzen Consultants Bangalore

Date: 04-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.36 %**	Not more than 2.0 %
2.	Liquid Limit, %	**17.22**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.12**	----------
5.	Aggregate Impact Value, %	**25.96**	Not more than 40.00 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2017-18/SH-G3 Date: 07-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
26.50	**97.60**	70-100
9.50	**7510**	50-80
4.75	**62.00**	40-65
2.36	**41.05**	30-50
0.425	**13.60**	10-15
0.075	**4.25**	<5

*As Furnished by Client
The Results relate only to the items tested

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Bangalore. Newzen Consultants

Date: 07-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.35 %**	Not more than 2.0 %
2.	Liquid Limit, %	**17.12**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.09**	----------
5.	Aggregate Impact Value, %	**24.85**	Not more than 40.00 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2017-18/SH-G4 Date: 09-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.
{Project*: Improvements to Main roads and drains at Shivanahalli.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
26.50	**98.25**	70-100
9.50	**75.10**	50-80
4.75	**62.30**	40-65
2.36	**42.35**	30-50
0.425	**13.50**	10-15
0.075	**4.05**	<5

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The Results relate only to the items tested

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